INTERNAL ASSIGNMENT QUESTIONS
B.A.(Maths & Stats) I YEAR

ANNUAL - 2023

PROF. G. RAM REDDY CENTRE FOR DISTANCE EDUCATION
(RECOGNISED BY THE DISTANCE EDUCATION BUREAU, UGC, NEW DELHI)

OSMANIA UNIVERSITY
(A University Accredited with A+ by the NAAC - A University with Potential for Excellence,
Hyderabad – 7 Telangana State

DIRECTOR
Prof. G.B. Reddy
Hyderabad – 7, Telangana State

PROF.G.RAM REDDY CENTRE FOR DISTANCE EDUCATION
OSMANIA UNIVERSITY, HYDERABAD – 500 007

Dear Students,

Every student of B.A. (Maths & stats) I year has to write and submit **Assignment** for each paper compulsorily. Each assignment carries **20 marks.** The marks awarded to the students will be forwarded to the Examination Branch, OU for inclusion in the marks memo. If the student fail to submit Internal Assignments before the stipulated date, the internal marks will not be added in the final marks memo under any circumstances. The assignments will not be accepted after the stipulated date. **Candidates should submit assignments only in the academic year in which the examination fee is paid for the examination for the first time.**
Candidates are required to submit the Exam fee receipt along with the assignment answers scripts at the concerned counter on or before **25TH March, 2023** and obtain proper submission receipt.

ASSIGNMENT WITHOUT EXAMINATION FEE PAYMENT RECEIPT (ONLINE) WILL NOT BE ACCEPTED

Assignments on Printed / Photocopy / Typed will not be accepted and will not be valued at any cost. Only HAND WRITTEN ASSIGNMENTS will be accepted and valued.

Methodology for writing the Assignments (Instructions) :

1. First read the subject matter in the course material that is supplied to you.
2. If possible read the subject matter in the books suggested for further reading.
3. You are welcome to use the PGRRCDE Library on all working days for collecting information on the topic of your assignments. (10.30 am to 5.00 pm).
4. Give a final reading to the answer you have written and see whether you can delete unimportant or repetitive words.
5. The cover page of the each theory assignments must have information as given in FORMAT below.

FORMAT

1. NAME OF THE STUDENT :
2. ENROLLMENT NUMBER :
3. NAME OF THE COURSE :
4. NAME OF THE PAPER :
5. DATE OF SUBMISSION :

6. Write the above said details clearly on every subject assignments paper, otherwise your paper will not be valued.
7. Tag all the assignments paper wise and submit them in the concerned counter.
8. Submit the assignments on or before **25th March, 2023** at the concerned counter at PGRRCDE, OU on any working day and obtain receipt.

DIRECTOR

B.A. / B.A. (Maths & Stats) /B.Com. / B.B.A. I YEAR

INTERNAL ASSIGNMENT - Annual - 2023

Subject : General English

Section – A

UNIT – I : Answer all the questions (each question carries 2 marks) **5x2=10**

1. Why did the narrator decide to take away the statue for himself ?
2. Whose garden is the poet talking about ?
3. Discuss the element of suspense in the story 'The Blue Bouquet'..
4. Describe the movements of the squirrel.
5. Attempt a character sketch of 'Mis Leslie'.

Section – B

UNIT – II : Answer all the questions (each question carries Five marks) **2x5=10**

1. Write classification of vowel and consonant sounds.

2. Write the summary of swams and his friends.

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OSMANIA UNIVERSITY, HYDERABAD–500 007

INTERNAL ASSIGNMENT- 2022 - 2023

Course : BA & B.Com

Paper : I. Title : S.L. Hindi. Year IST

2022-23

Section – A

UNIT – I : Answer the following short questions (each question carries two marks) 5x2=10

1 "लहनासिंह" की वीरता को दर्शाइए ।

2 मित्रता क्या है, चर्चा किजिए ।

3 संस्कृति किसे कहते है ।

4 बिन्दा का चरित्र चित्रण किजिए ।

5 "मैं हार गई" कहानी पर चर्चा किजिए ।

Section – B

UNIT – II : Answer the following Questions (each question carries Five marks) 2x5=10

1 "उसने कहा था" कहानी का सारांश लिखिए ?

2. "भूख हड़ताल" कहानी पर प्रकाश डालिए ?

Name of the Faculty : Dr. Santosh Rathod

Dept. Hindi

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OSMANIA UNIVERSITY, HYDERABAD–500 007

INTERNAL ASSIGNMENT- 2022 - 2023

Course : BA & B.Com

Paper : I **Title :** Telugu-I **Year** 2023

Section – A

UNIT – I : Answer the following short questions (each question carries two marks) ~~5X2=10~~ 5X2=10

1 గంగా శంతనుల కథను వెల్లడించండి.

2 గరిమెళ్ల సత్యనారాయణ గారి దేశభక్తిని వెల్లడించండి.

3 మూషిక వంశాల వృత్తాంతంలోని నైతికతను తెలుపండి.

4 మేఘ దూతంలోని సందేశాన్ని వివరించండి.

5 ప్రజల మనిషి నవలలోని పాత్రలను పరిచయం చేయండి.

Section – B

UNIT – II : Answer the following Questions (each question carries Five marks) ~~5X2=10~~ ~~2X5=10~~ 2X5=10

1 వాసిని చరిత్రాంశం పాఠ్యాంశంలోని విలువలను తెల్పండి.

2. శైలి కథలోని మానవ సంబంధాలను క్లుప్తంగా రాయండి.

Name of the Faculty : Dr. P. Hamsamma

Dept. Telugu

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OSMANIA UNIVERSITY, HYDERABAD–500 007

INTERNAL ASSIGNMENT- 2022 - 2023

Course : BA & B.Com

Paper : I **Title :** Sanskrit. **Year** I year.

Section – A

UNIT – I : Answer the following short questions (each question carries two marks) **5x2=10**

1 ससन्दर्भं व्याख्यात - रे रे इमाः कलमुद्राः अनुकम्पनीयाः आमन्त्रणीयाः तव।

2 द्वयोः शब्दयोः सर्वासु विभक्तिषु रूपाणि लिखत। (1) कवि (2) वारि

3 द्वौ धातू सूचित लकारे लिखत। - (1) गम्लृ - लट् लकारः 2) इष् - लोट् लकारः

4 द्वयोः सन्धिकार्यं कुरुत। - 1) गौरीयम् 2) महा + ईशः =

5 द्वयोः नामनिर्देशपूर्वकं विग्रहवाक्यानि लिखत। 1) अधर्मः 2) पितरौ

Section – B

UNIT – II : Answer the following Questions (each question carries Five marks) **2x5=10**

1 सेतुबन्धने चिक्रोडस्य सेवां पाठ्यभागमनुसारं विवृणुत।

2. अहिंसा परमो धर्मः इत्यस्य पाठ्यांशस्य वैशिष्ट्यं प्रतिपादयत।

Name of the Faculty : Dr. R. Varalakshmi

Dept. Sanskrit

B.A. / B.A. (Maths & Stats) /B.Com. / B.B.A. I YEAR

~~I year~~ (Arabic)

/BA/B.Com/BBA/~~Economics & Stats~~ I yr

1) Translate and Explain three of the following with reference to the context. 5x2=10

١) فأما اليتيم فلا تقهر. و أما السائل فلا تنهر

٢) ألم نشرح لك صدرك ٣) والتين والزيتون. وطور سينين. وهذا البلد الأمين

٤) إنا أنزلناه في ليلة القدر. وما أدراك ما ليلة القدر

٥) إذا زلزلت الأرض زلزالها. و أخرجت الأرض أثقالها

2) Answer Five of the following in Arabic.

١) أين الكتاب؟ ٢) من أين أنت؟ ٣) أين كتاب محمد؟ ٤) من هذا الرجل؟ ومن ذلك الرجل؟

٥) ما اسمك؟ ٦) أعندك سيارة؟ ٧) كم أخًا لك يا حامد؟

٨) أين هذه المدرسة؟ ٩) كم بقرة في الحقل؟ ١٠) كم جامعة في بلدك؟

3) Translate any Five of the following sentences in your own language.

١) الكتاب جديد والقلم قديم ٢) نعم هذا بيت ٣) أين محمد؟ هو في الغرفة

٤) ذهب إلى الملعب ٥) أكتاب محمد هذا يا ياسر؟

٦) هذا ابن حامد و هذه بنت ياسر ٧) عمار طالب مجتهد ومحمود طالب كسلان

٨) لغته اليابانية وهي لغة صعبة ٩) أنا أحب أبي وأمي وأحب أخي وأختي

١٠) من هؤلاء الفتية الطوال يا علي؟

4) Write Ten Sentences in Arabic on any one of the following topics.

١) فضيلة العلم ٢) أدب الأستاذ ٣) عظمة الوالدين

PART B

2 × 5 = 10

5) Write the opposite of any ten of the following.

أبيض. حلو. صغير. جديد. طويل. أمام.
سالم. ولد. مجتهد. ثقيل. صديق. جار. تحت. سهل.

6) Convert the singular into plural any ten of the following.

مسجد. غني. طويل. منديل. كبير. إمرأة. رجل.
جبل. بنت. مسلم. صغير. جار. بيت. ولد. مدرس.

7) Define any two of the following with examples.

١) المعرفة والنكرة ٢) الجملة الفعلية
٣) المركب التوصيفي ٤) إسم الإشارة

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INTERNAL ASSIGNMENT QUESTION PAPER - 2022 - 2023

COURSE : B.A /B.A (Maths & Stats) / B.Com./ B.B.A - I YEAR

Paper :---------- Subject :----------

Total Marks:20

I۔حسب ذیل سوالات کے جواب مطلوب ہیں۔ ہرسوال کم ازکم تین صفحات پر مشتمل ہو۔ (5x2=10)

1۔ نظم'' توحید '' کا خلاصہ لکھیے۔

2۔محمد قلی قطب شاہ کی شاعری کی خصوصیات بیان کیجیے۔

3۔سبق میں شامل کسی 2 حکایتوں پر روشنی ڈالیے۔

4۔سر،اقبالؔ کی نظم'' فنون لطیفہ '' کا خلاصہ لکھیے ۔

5۔خاکہ''سلیمان اریب''پر نوٹ لکھیے۔

II۔حسب ذیل سوالات کے جواب لکھیے۔ ہرسوال کا جواب کم ازکم پانچ صفحات پر مشتمل ہو۔ (2x5=10)

6۔ساحرلدھیانوی کے حالات زندگی پر اظہار خیال کرتے ہوئے نظم''اے شریف انسانو!'' کا خلاصہ لکھیے۔

7۔مرزا غالبؔ کے حالات زندگی کا تفصیلی جائزہ لیجیے ۔

☆☆☆☆☆☆☆☆

Dr.Syeda Naseem Sultana

University College for Women Koti

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INTERNAL ASSIGNMENT-2022-2023

Course: B.A Mathematics and Statistics –I Year

Paper: I Title: Maths Year I

Assignment –I

UNIT-I: Answer the following short questions (each question carries five marks) 3x5=15

1) Solve $(2x+3y+1)dx+(2y-3x+5)dy=0$

2) Define the Group

3) Let $\sigma \tau \in S_5$, where $\sigma=\begin{pmatrix}1&2&3&4&5\\2&3&1&5&4\end{pmatrix}$ $\tau=\begin{pmatrix}1&2&3&4&5\\5&4&3&1&2\end{pmatrix}$ Find $\sigma\tau$, $\sigma\tau^2$

Assignment –II

UNIT-II: Answer the following short questions (each question carries five marks) 3x5=15

1) Solve by the method of variation of parameter $\frac{d^3y}{dx^3}+(1-cotx)\frac{dy}{dx}-cotx=sin^2x$

2) If * is a binary operation on Q defined by $a*b=\frac{ab}{2}\ \forall a,b\in Q$ then find the Identity with respect to * if it exist?

3) Verify Green's Theorem in the plane for $\int(x^2-xy^3)dx+(y^2-2xy)dy$ when C is the square with vertices $(0,0),(2,0),(2,2),(0,2)$.

Name of the Faculty: Dr. B. Raju

Dept. Maths

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OSMANIA UNIVERSITY, HYDERABAD–500 007

INTERNAL ASSIGNMENT- 2022 - 2023

Course : B.B.A. Maths & Stats

Paper : Applied Mathematics-I **Title :** Applied Mathematics-I **Year** 2022-2023

Assignment – I

UNIT – I : Answer the following short questions (each question carries five marks) 3x5=15

1 Triangle Law of Forces & polygon Law of Forces

2 Prove $V = u + ft$, $S = ut + \frac{1}{2}ft^2$, $V^2 = u^2 + 2fS$

3 A ball is projected from A located on a slope with a velocity of 3m/sec at angle of 25° with the horizontal. Find the coordinates of the point B at which it will hit the slope whose inclination is 25° to the horizontal.

Assignment – II

UNIT – II : Answer the following Questions (each question carries five marks) 3x5=15

1 The resultant of two forces P and Q acting at a certain angle is F, and that of P, R acting at the same angle is F, the resultant of Q, R again acting at the same angle is also G. Prove that

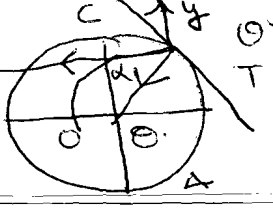
2 a) If $P + Q + R = 0$ Then $G = F$.
b) If $P + Q + R \neq 0$ Then $P = \sqrt{F^2 + QR} = \frac{QR(Q+R)}{Q^2 + R^2 - G^2}$

(2) Find the equation of The S.H.M and describe it.

Name of the Faculty : Dr. M. Ramesh

Dept. Mathematics.

(3) Find the Velocity and subsequent motion of the particle, when the particle leaves the Circular trajectory.



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INTERNAL ASSIGNMENT QUESTIONS PAPER-2022-2023

COURSE : BA

PAPER-I **Title : STATISTICS** **Year : I**

TOTAL MARKS : 20

UNIT-I : Answer the following short questions(Each question carries two marks) **5X2 =10**

1. **Define mean. Give example.**
2. **Define central and non-central moments.**
3. **Define skewness.**
4. **Define probability. Give an example.**
5. **State Bayes theorem.**

UNIT-II :Answer the following questions (Each question carries five marks) **2X5 = 10**

1. **Define Random variables . Explain Probability density function(PDF) and Probability mass function(PMF).**
2. **Define distribution function . State it's properties.**

Name of the Faculty: P . Anjaneyulu

Department : Statistics